

function

The SCITEQ pipe wall thickness gauge measures wall thickness offline with very high accuracy without personal error possibility. The measuring gauge is a handy table model. The gauge measures in accordance with ISO 3126.

highlights

simple set-up

compact table model

reliable test results

high accuracy

quality product

optional microprocessor

version 06/2015

features

Often pipes are controlled after the production by means of a hand gauge. The uncertainty of this method is often quite significant even when using skilled labour. However, placing the sample on the V-block with the gauge placed on a measuring arm in a fixed position, reduces the uncertainty to an absolute minimum. The gauge arm moves up and down by means of a remote controller. The sample is manually rotated on the V-block with convenient rollers and manual registration is carried out on the microprocessor attached to the digital gauge.

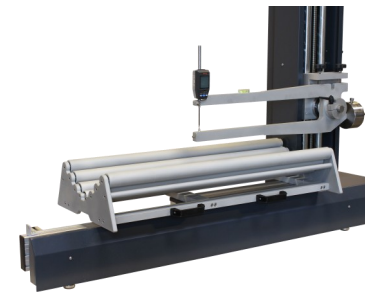


We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost effectively as possible with Q.C. tools throughout the factory.

construction

The apparatus consists of a V-block with rollers that can handle pipe samples up to 1500 mm in length with a diameter between Ø20 and Ø630 mm and a wall thickness of max. 12, 30 or 50 mm depending on the chosen gauge. The gauge can be delivered with or without a microprocessor or with a mechanical gauge. The measuring arm is 300 mm in order for wall thickness measurements to be made on the longitudinal axis of the pipe. It is possible to produce a longer measuring arm. Smin. and Smax. can be measured with the microprocessor.

With the processor the apparatus can satisfy almost any need of information required. When coding for example the min. and max. tolerances you can make up to 999 measurements within one tolerance degree. These can be followed by a print-out with date and time, initials of the person who made the measurements, number of measurements, tolerance degrees, measurements above and below the tolerances, % of deviation, and margin of errors. From these measurements the processor can make a histogram and calculations of Cpk. A processor with direct connection to a PC can also be supplied on request.



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associated equipment

▲ essential equipment

circumference tapes

caliper rulers